



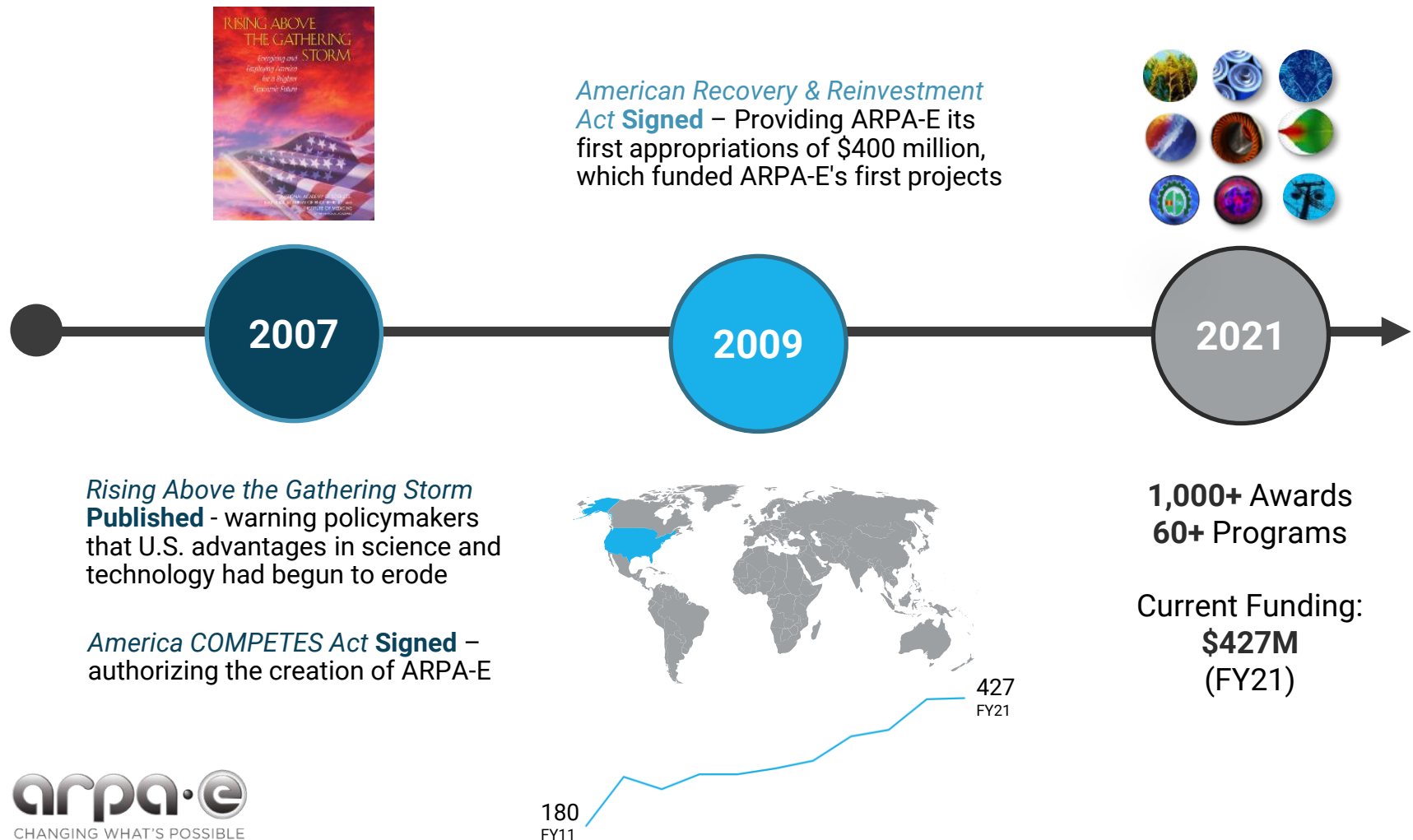
Welcome!

Dr. Jennifer Gerbi
Acting Director and Deputy Director for Technology

November 3, 2021

ARPA-E History

In 2007, The National Academies recommended Congress establish an Advanced Research Projects Agency within the U.S. Department of Energy to fund advanced energy R&D.



ARPA-E Mission

Goal 1: To enhance the economic and energy security of the United States through the development of energy technologies that—



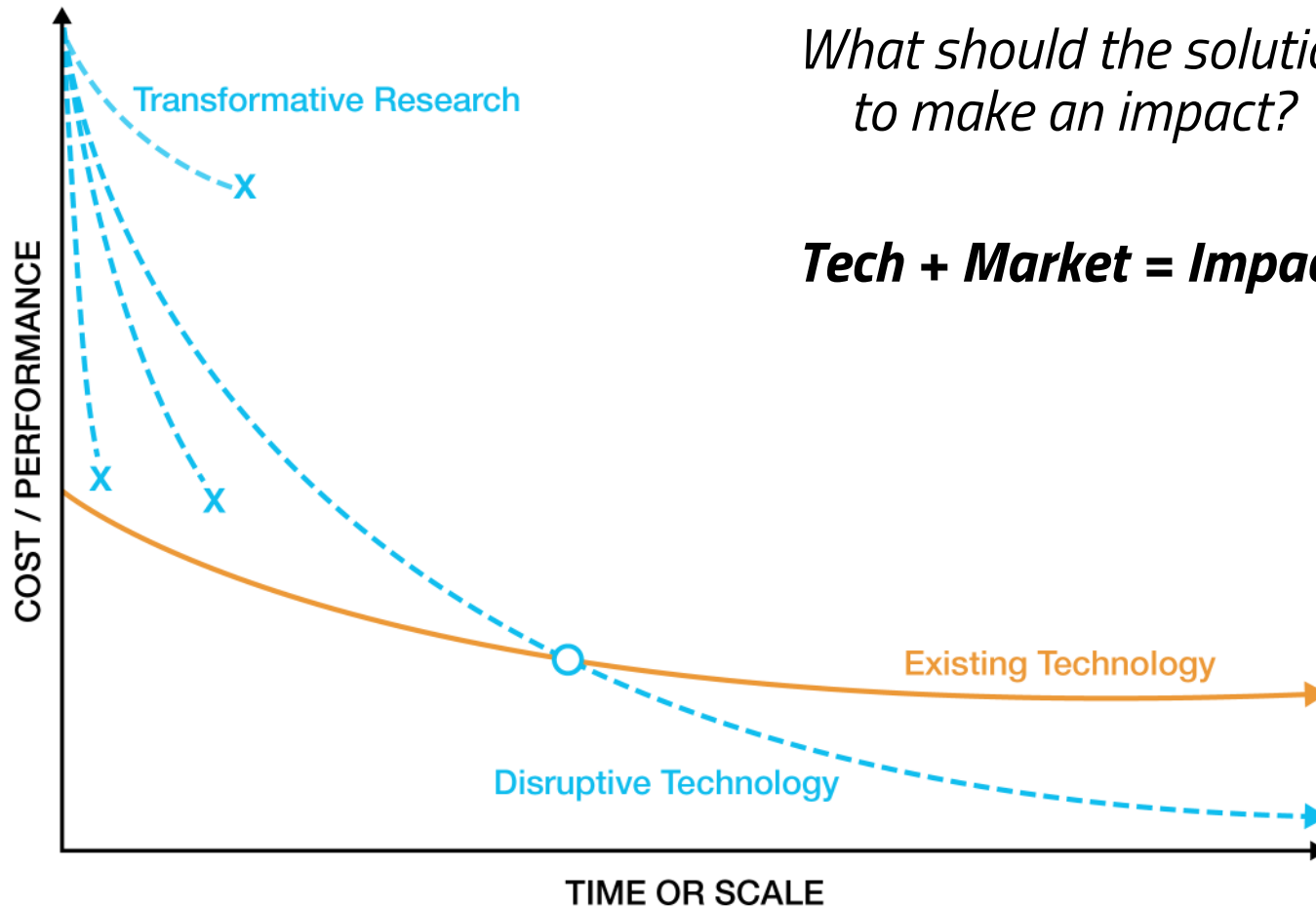
Goal 2: To ensure that the United States maintains a technological lead in developing and deploying advanced energy technologies.

We are high-risk, high reward

*What problem should be solved...
And why?*

*What should the solution look like
to make an impact?*

Tech + Market = Impact



ARPA-E: What makes us different

Our Culture Enables our Mission.

- Startup-esque approach
- Term limited, core group of empowered Program Directors
- Term limited T2M Advisors, PhD Fellows work seamlessly with Program Directors
- Collaborative instead of competitive
- Structure: Flat, lean, no 'roadmaps', no top-down direction
- Comfort with risk and ambiguity crucial – TRUST is essential.



ACTIVE

ALUMNI

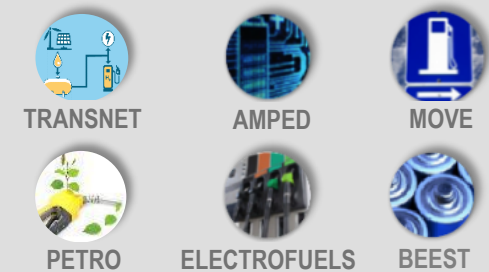
ELECTRICITY GENERATION & DELIVERY



EFFICIENCY

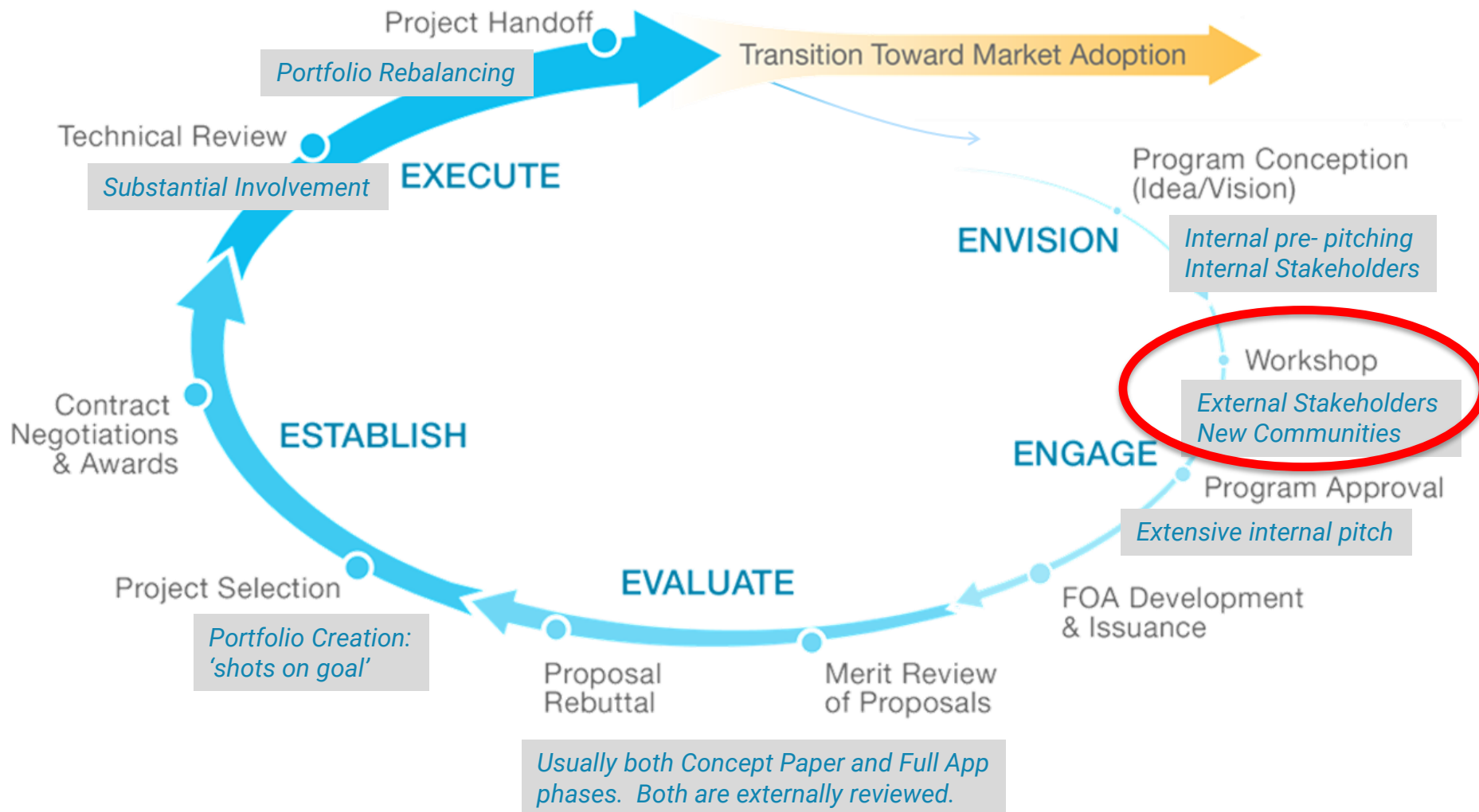


TRANSPORTATION



+ OPEN 2009, 2012, 2015, 2018, & 2021 Solicitations
+ Seedlings, Competitions, Complimentary Exploratory Topics
+ SCALEUP 2020

Life of an ARPA-E Program



ARPA-E Impact Indicators

Since 2009
ARPA-E has provided

\$2.93 billion

in R&D funding to
more than **1,270 projects**



183 projects

have attracted
more than

\$7.6 billion

in private-sector follow-on funding



109 companies

formed by
ARPA-E
projects



266 projects

have **partnered**
with other
government
agencies
for further
development



4,871

peer-reviewed
journal articles
from ARPA-E
projects



789 patents

issued by U.S.
Patent and
Trademark Office



253 licenses

reported from
ARPA-E projects



17 exits

market valuations worth

\$19.4 billion

from mergers, acquisitions, and IPOs



We want to hear from YOU.

There is a reason you are all here.

We also want this to be a new community –
please reach out to each other!



U.S. DEPARTMENT OF
ENERGY

<https://arpa-e.energy.gov>